



A "Business Profile" of the Army



People People

- Active Military 502.4K
- Reserve Military 555.0K
- Civilians 240.2K
- Contracted Svcs ~ 220.0K } 460K
 - Total ~ 1,517K
- 250,000 Soldiers deployed/forward stationed
 - Iraq ~ 105K– Kuwait ~ 12K
 - Afghanistan ~ 18KKorea ~ 22K
 - Homeland Defense ~ 13K

Plant/Equipment

- Fleet
 - Wheels ~237.000 vehicles
 - Tracks ~ 28,000 vehicles
 - Rotary wing ~ 4,200 airframes
- Installations
 - ~4,100 Installations and Centers
 - ~\$241B Plant Replacement Value
 - ~15.4M Acres
 - ~57,700 Miles of Roads
 - ~981 Million Square Feet of Buildings

Financials

 FY 04 Expenditures 	\$ 141.6B
• FY 05 Base (\$101.9B) + Supp (\$58.4B)	\$ 160.3B

- FY06 Appropriation (Base)
 - Military Personnel \$ 30.6B
 - Operations & Maintenance \$ 23.7B
 - Procurement \$ 11.0B
 - RDTE \$ 11.0B
 - Military Construction \$ 1.7B
 - Environmental Restoration \$.4B
 - Army Family Housing \$ 1.3B
 - Reserve Components \$ 16.9B
 - National Guard \$11.0B
 - Army Reserve \$ 5.9B
 - Chem/Demil (OSD) <u>\$ 1.4B</u> \$ 98.2B
 - Bridge Supplemental \$ 32.1B
 - Supplemental Request \$ 36.6B
 - Total FY 06 \$ 166.9 B*

(Appn + B-Supp + Request)

*Includes IED Defeat (\$490M OMA; \$1,111M OPA; \$358M RDTE)

The Army, as a corporation, would rank #5 on the Fortune 500 based on revenue with as large a workforce as Wal-Mart and McDonalds (1.5M).



CIO/G-6 Mission



As the Army Chief Information Officer (CIO), report directly to the <u>Secretary of the Army</u> for setting the strategic direction, objectives, and supervising all Army C4 and information technology functions. (Title 10 U.S.C. Sec. 3014(c)(1)(D)).



 Responsible to manage and oversee the Army-wide implementation of Clinger Cohen Act mandated functions and policies to comply with public laws, Office of Management and Budget, Department of Defense, and Department of the Army guidance.



As the Army G-6, support the Army Chief of Staff and Army Staff in performing information management, network operations (including computer network defense), force structure, and the equipping and employment of signal forces.



Force Multiplier

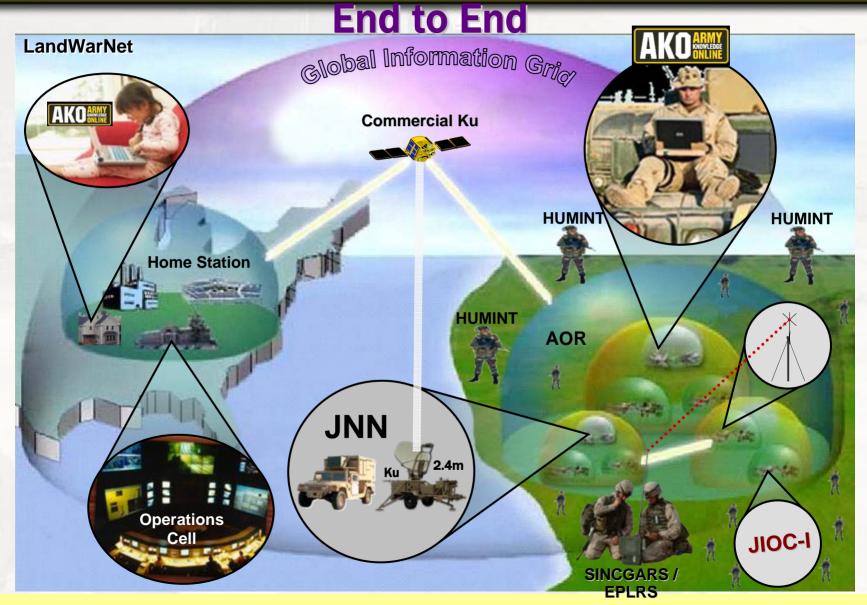






Why are we here?





...connecting the Warfighter no matter where in the Battlespace



500-Day Plan Goals





Develop and maintain a secure, seamless, interdependent LandWarNet Network

Lead enterprise integration to achieve decision superiority by transforming processes, applications and data into network-centric capabilities across the Army



Protect and defend the Army's systems, networks, and information



Ensure Army information management and information technology investments maximize Joint and Army capabilities



Develop the Army's information technology and information management knowledge and skills to support mission needs



Deliver an integrated enterprise strategy that influences Joint and Army use of information management and information technology in furthering the warfighting capabilities.





JNN in Action

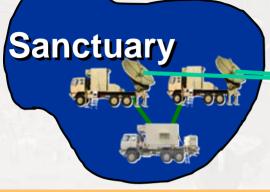






What a single hub can do

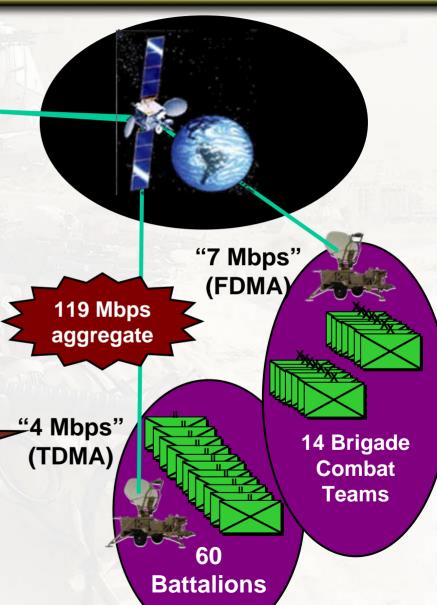




119 Mbps

- Additional capacity
- Modems/Hubs temporarily installed at Teleports/STEP sites

Increased
SATCOM density
from Division to
Battalion



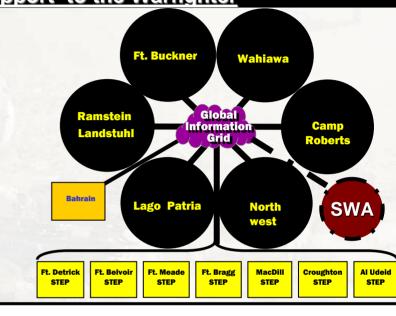


Teleport "In Context"



Provide Seamless Communications Support to the Warfighter



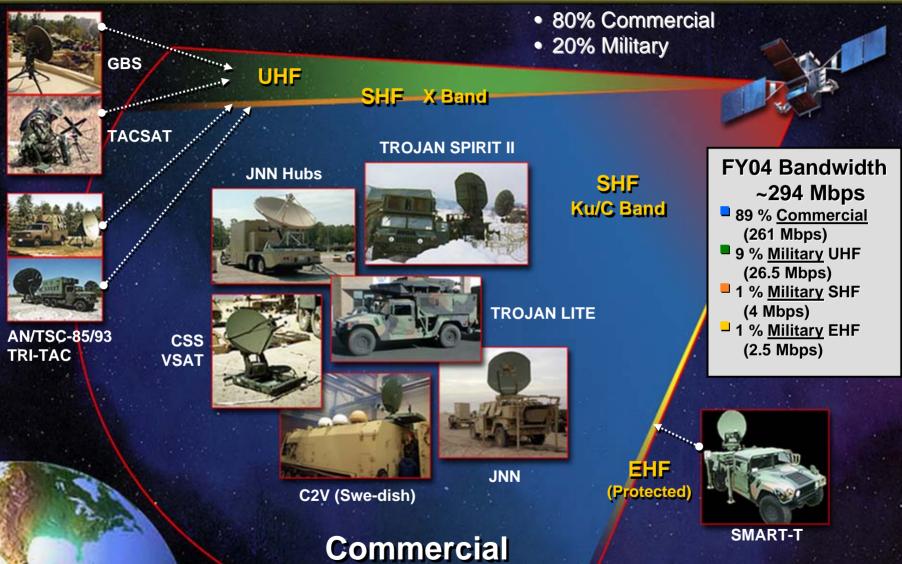


- ☑ Generation I (FY 02-07)
- ☐ Generation II (FY 04-08)
 - ...Initial IP capability
- ☐ Generation III (FY 08-12)
 - ...Full IP Capability
- □ Potential Generation IV (FY 13-out)
 - ...Implement TSAT



Brigade Combat Team In The Fight - Today

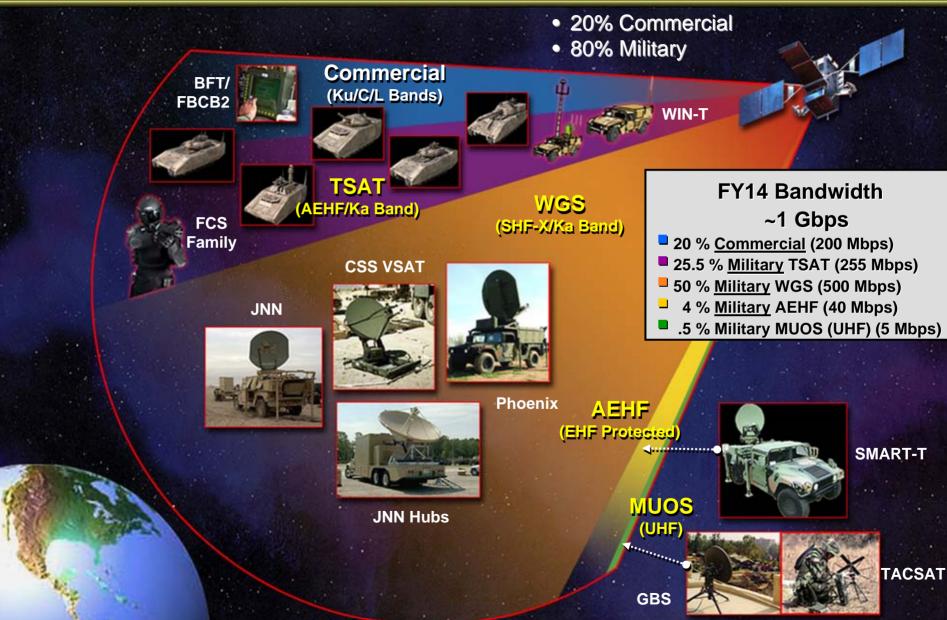






Brigade Combat Team In The Fight - 2014







The issue with the first tactical mile



The Spectrum World is facing more challenges than ever before

Spectrum Way Ahead

- Spearhead <u>new</u> Spectrum MOS
- Leverage new <u>tools</u> to enable Spectrum mangers to <u>detect</u> and <u>remedy</u> Interference
- New <u>techniques</u> and <u>focus</u> for Spectrum to better support the fight



If you design Emitters.... We need YOU to:

- Design more <u>spectrum-efficient</u> systems
- Design systems that can <u>operate in an intense</u> radio frequency environment
- Work with your Government sponsors to work with Army Spectrum Management Office <u>at the</u> <u>beginning of the process</u>

Spectrum
must be part
of the
architecture
effort



Modernizing our Installations



<u> 13MP...</u>

- > Extends the Global **Information Grid onto Posts, Camps and Stations**
- > Provides
 - 1. Secure and Non-Secure Voice
 - 2. Classified & unclassified **Installation Transport Network** to:
 - Battalion and company level
 - Motorpools, logistics point, ranges, etc.
 - 3. Network Security architecture
 - 4. E-mail and storage servers

Started in FY 2005

- Fort Stewart & HAAF, GA
- Fort Benning & DTA, GA
- Fort Campbell, KY
- Fort Hood, TX
- Fort Drum, NY
- Fort Carson & PC, CO
- Fort Lewis & YFC, WA
- Fort Bliss, TX
- Fort Riley, KS
- Fort Bragg, NC
- Fort Irwin & NTC, CA
- Fort Polk, LA
- Camp Ederle (Vicenza)
- Grafenwöhr East Camp
- Grafenwöhr Training Area
- Camp Walker
- Patch Barracks
- Schofield Barracks & WAAF, HI
- Fort Richardson/Wainwright, AK
- Yongsan Garrison
- Camp Humphreys
- Camp Zama

In FY 2006

- ◆ Fort Carson & PC, CO
- ◆ Fort Lewis & YFC, WA
- Fort Indian Town Gap, PA (ARNG SBCT)
- Fort Bliss, TX
- Fort Riley, KS
- Wiesbaden Area
- Augsburg Area
- Kosovo (Villaggio Italia)
- Dal Molin
- Europe—Short Haul Tie Cabling
- Stuttgart—Inside Building Wiring
- Wiesbaden & Grafenwöhr—DISN-E Sites
- Europe—CAN Optical Switching & IA
- Korea—K-16 Site
- Hawaii—Pohakuloa Training Area
- Hawaii—Schofield Enclave
- Japan—Yokohama

Yellow and underline denotes start of future scope







Modernizing our Installations



I3MP...

- Extends to Information Camps and Camps
- > Provides
 - 1. Secure
 - 2. Classif Installato:
 - Batt
 - Motor range
 - 3. Netwo
 - 4. E-mail



Primes for the new contract (Infrastructure Modernization (IMOD)

- A T & T Government Solutions
- Avaya, Inc.
- Bechtel National, Inc
- Engineering & Professional Services, Inc. (EPS)
- Federal Network Systems, LLC (a Verizon Company)
- General Dynamics Network Systems, In.
- Lucent Technologies
- NextiraOne Federal, LLC (Black Box)
- Science Applications International Corporation (SAIC)
- Siemens Government Services, Inc.

(ARNG SBCT)

bling Viring —DISN-E Sites ching & IA

ig Area

of future scope





Secure and Reliable Identification



HSPD-12

Per provides feeds Office of the Press Secreto Account TO TO

Homeland Security Presidential Directive/Hspd-1

Subject. Policy for a Common Identification Standard for Federal Employees and Contractor

If yield institution in the deput and leading to form to international resets of selection and the given and the selection and the selecti

(2) To implement the policiosis law a Price Policiosis (1), the Serviciosis of Commerce Mais principale in accordance with applicable law a Price Indicate Standard for second and inside Services of Commerce Control of the "Standard" not later than 6 months with the Selle of this street/we in consultation with the Services of State, the General of Children in the Abbrerg General Life Secondary of Price and Secondary of Services and of the Children Services and Secondary Services (Seller), and the Services of the Children Secondary in the Secondary of Secondary Services and Secondary Secondary in the Secondary of Secondary Sec

(3) "Secons and missions forms of identification" to purpose of this directive means identification and its assuad based on secund cereate and verifing as instituted assetting to a strongly resistant identify that disreparing, counterfielding, and extends exploitation; (a) can be rapidly administrational exceptional controlled and exceptional exploitations are instituted by an influint association of the proposal leaves of except proposal investigation and exceptional exploitations. The Standard Sta

(4) hot used than 4 months following premulgation of the Standard, the heads of searchee department and appeared shift have a progress in close to ensure that Gentlandon asseed by the requirements and used larger of the shift of the shift of the shift of the shift of the Standard, the heads of executive sales larger than 8 months after the date of premulgation of the Standard, the heads of executive placements and supported shift, the terminant extent productive, require the use of destination if executive the shift of the shift of

DoD is executing NOW!!!





- "Secure and reliable forms of identification"
- Required to gain physical access to Federally controlled facilities and networks

- Standard for one federal identity card
- Tokens "something you know" (PIN) + "something you have" (the card)



Consolidating Data Bases



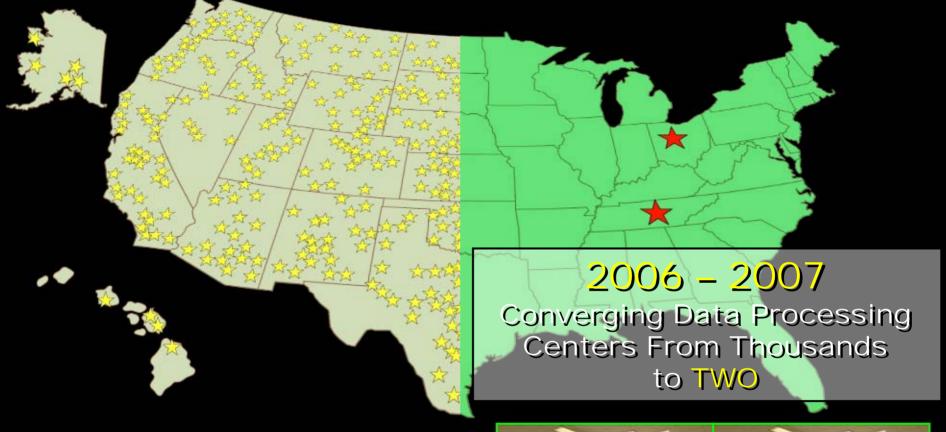


2583 Army National Guard Armories. 88 Air National Guard Flying Bases.



Consolidating Data Bases









Consolidating Data Bases





Making Progress

- ...Europe [~75% complete]
- ...Pacific

2007 - 2008

Converging Data Processing Centers From Thousands to FOUR

2006 - 2007

Converging Data Processing Centers From Thousands to TWO







Portfolio Management



1. Business Mission Area - DUSA

- Acquisition ASA(ALT)
- Financial Management ASA(FM&C)
- Human Resource Management -ASA(M&RA)
- Installations & Environment ACSIM
- Civil works ASA (CW)
- Logistics ASA(ALT) ROS

2. Warfighting Mission Area - G-3/5/7

- Focused Logistics G-4
- Battlespace Awareness G-2
- Force Application G-8
- Force Protection G-8
- Net-Centric CIO/G-6
- Force Management G-3/5/7/FM
- Training G-3/5/7/TR
- Command & Control G/3/5/7/SB

Its about ownership and prioritization

- Identified, via funding process, all Army Information Technology related projects
- Delineated Domains and assigned owners

 ProSight
 Enterprise Investment Management

...reduce redundant stovepipe systems by 80% by 2007

3. Enterprise Information Environment Mission Area - CIO/G-6/GACKO

- Communications AONS
- Computing Infrastructure AONS
- Core Enterprise Services GACKO
- Information Assurance GACKO
- 4. Defense Intelligence Mission Area G-2
 - Domains TBD



Reducing redundant systems



Collaboration Best of Breed Competition

CTSF Assessment

•21 Feb 06- 30 May 06



DISA selected DoD solution

Lotus. software

IBM Lotus Sametime 7.5

Breeze Service
IDM-T/SharePoint
FusionNet
CIDNE



Standard Solution Identified

 VCSA announcement released on 24 Jul 06

Tool System Nomination

15 Dec 05 – 02 Feb 06



Army e-Learning Program



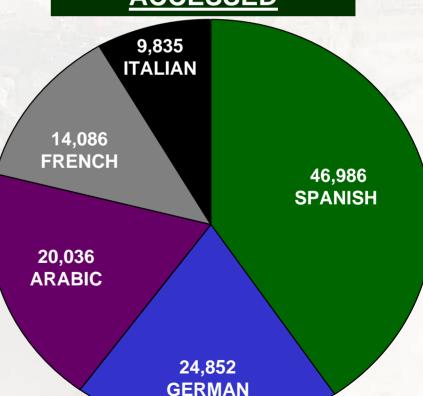
MOST POPULAR IT COURSES COMPLETED (as of 1 September 06)

	# of Courses Completed
	(Cumulative)
US Army Information Assurance Awareness	18,459
Windows XP: Fundamentals	6,378
Encryption Technologies	5,963
Operating Systems and TCP/IP	5,833
TCP/IP	5,612
Planning and Implementing an Active Directory Infrastructure	5,069
Firewalls and VPNs	4,954
IP Addressing and Routing	4,924
Microsoft Windows Server 2003: Network Infrastructure & Active Directory Physical Design	4.774
Directory Physical Design	4,774

ROSETTA STONE



TOP FIVE LANGUAGES ACCESSED





Data at Rest, is Data at Risk!!!



- > Currently...
 - We have the policy in place-
 - We have some tools
 - ...PointSec pointsec

 - ...Credant
 - But, no enterprise tools

- DoDD Policy 8500.2
 - http://www.dtic.mil/whs/directives/corres
- Army Regulation AR 25-2
 - http://www.usapa.army.mil
- Army Wireless Security Standards Better Business Practices (BBP) (Jun 2004)
- Army Road Warrior Laptop Security BBP (Feb 2006)
 - https://informationassurance.us.army.mil/bbp
- > Get Ready, Here it comes Guidance
 - Working final guidance due out soon!
 - Meanwhile Preliminary Guidance to get the ball rollling
 - 1. Immediately identify mobile "stuff"
 - 2. Categorize by "mobile" vs "non-mobile"
 - 3. Label appropriately
 - 4. Then Don't remove from secure area unless protected
 - **PointSec**
 - Credant
 - Microsoft Encrypting Files System (EFS)
 - Etc..



Where we've been and where we're going!!



Microsoft Enterprise License

Secure the Operating System

Active Directory



CAC/PKI Logins

Army @ 89.4%



Server 2003

Asset Discovery Tool

Encrypt E-mail

Encrypt data at rest

Consolidate APCs - - DISA mega centers

Thin-Client



Why You're Really Here!!!



- ✓ Information Technology Enterprise Solutions Services (ITES-2S) Awarded 11 IDIQ Contracts 14 Apr 06 (currently under protest)
 - \$20B over 9-years provide Army Enterprise Infrastructure and Infostructure Services World-wide to support C4IM
- ✓ Army Desktop & Mobile Computing (ADMC-2) Awarded 9 IDIQ Contracts 24 Apr 06. Open for Ordering 1 October.
 - \$5B over 10-years desktops, notebooks, tablets, PDAs, printers, digital cameras, projectors & peripherals
- ✓ Installation Modernization Awarded 10 IDIQ Contracts 28 Apr 06
 - \$4B contract for DOD wide installation-level information infrastructure
- ✓ World-wide Satellite Systems ID/IQ Contract Award 4rd Quarter FY06
 - \$5B for SATCOM Services
- ✓ ITES-Hardware (ITES-2H) Award Projected for 1st Quarter FY2007
 - \$5B over 5 years
 - Purchase or lease network environment products, including servers, workstations, Thin-Client Solutions, storage systems, networking & communications equipment, VTC solutions & more



Take Away's



- Army IT must mirror the way we fight...
- Army has a Clinger-Cohen CIO architecting, acquiring, configuration managing an ENTERPRISE
- @Croom's Law...Adapt (GOTS), Buy (COTS), Code
- Design, operate, and defend from a <u>NETOPS</u> perspective
- RESPONSIVE to urgent warfighter needs while integrating a STRATEGIC ENTERPRISE
- © Consider <u>TOTAL COST OF OWNERSHIP</u> to include <u>SUSTAINMENT</u> costs over the long term

